**CYME**
Power engineering software and solutions

# CYME low-voltage design and analysis tool

## A modern solution for a streamlined engineering process visible to all stakeholders.

Distribution utilities are facing a host of new challenges: Aging infrastructure, the need to optimize existing assets, interconnection of DERs and new customers with varying behaviors. Meeting these challenges while ensuring the system is prepared for the future requires powerful enterprise-level software to support the growing demands placed on planning departments. The CYME low-voltage design and analysis tool is a web application that supports efficiency, accuracy and standardization of analysis work in an easy-to-use interface.

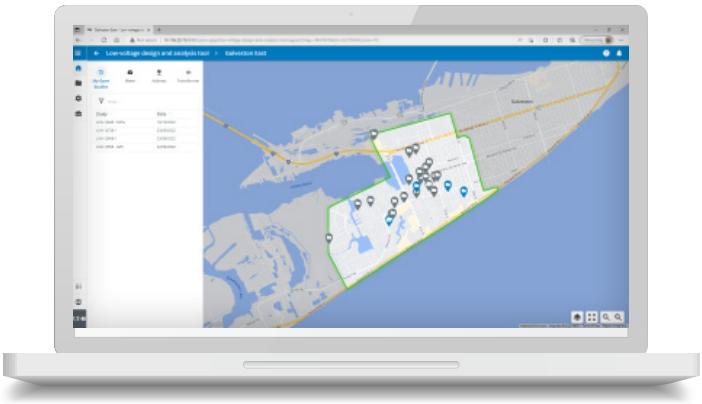
### Robust, scalable solution for low-voltage estimation

As part of the Brightlayer Utilities suite, the CYME low-voltage design and analysis tool (LVDAT) extends the existing CYME engineering model for use across the distribution utility planning and estimation teams.

To help utilities fulfill low-voltage design requirements and make the most of engineering resources, this innovative and effective tool allows teams to execute analyses and visualize results in a novel web application that integrates and expands an existing CYME portfolio. In addition, this scalable solution supports small, medium and large deployments.

**LVDAT helps users:**

- **Visualize** geo-referenced service territories and single-line diagrams of both the medium-voltage and low-voltage distribution system overlaid on a Google Maps™ interface
- **Quickly identify** a customer or project location using search by address (powered by Google Maps)
- **Run multiple analyses** simultaneously to provide operational parameters such as cable ampacity and motor starting capacity
- **Determine** power flow using different load models such as summer or winter scenarios



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## Facilitating accuracy and efficiency through real-time collaboration

By utilizing a role-management system, LVDAT allows planners to pre-define, parameterize and customize the web app so that the low-voltage designer can focus on modeling and executing the low-voltage study.

Estimators can easily conduct customer line extensions, load additions and asset sizing, thanks to the combination of CYME software's analytical capabilities.

**Role-management features include:**

- **Define regions** and associate regions to groups and users
- **Determine study** statuses to match internal processes
- **Visualize simulation** data using presets to apply contextual results to one-line diagram displays
- **Connect to CYME** network and equipment databases
- **Pre-define load types** to follow standards and best practices
- **Design** different simulation contexts with CYME load models and analysis configurations
- **Set CYME** configuration for symbols and colors

For more information on CYME software, visit **Eaton.com/cyme** or contact us at **cymeinfo@eaton.com**.

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